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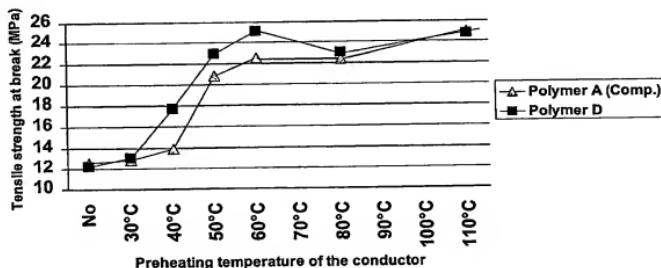
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(54) Title: LOW VOLTAGE POWER CABLE WITH INSULATION LAYER COMPRISING POLYOLEFIN HAVING POLAR GROUPS, HYDROLYSABLE SILANE GROUPS AND WHICH INCLUDES SILANOL CONDENSATION



(57) Abstract: The present invention relates to a low voltage power cable comprising an insulation layer with a density below 1100 kg/m³ which comprises a polyolefin comprising 0.02 to 4 mol% of a compound having polar groups and further comprises a compound having hydrolysable silane groups and include 0.0001 to 3 wt.-% of a silanol condensation catalyst. Furthermore, the present invention relates to a process for the production of said low voltage power cable and to the use of a polyolefin comprising 0.02 to 4 mol% of a compound having polar groups in the production of an insulation layer for a low voltage power cable.

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